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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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03/16/2009

ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. 1300 19TH STREET, N.W. SUITE 600 WASHINGTON,, DC 20036

EXAMINER

ENSEY, BRIAN

ART UNIT PAPER NUMBER

2614 DATE MAILED: 03/16/2009

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,370	02/28/2006	Graham Bank	085874-0453	2207

TITLE OF INVENTION: ACOUSTIC DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/16/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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opropriate. All further idicated unless correcte naintenance fee notifica	correspondence including below or directed oth tions.	ng the Patent, advance on herwise in Block 1, by (a	rders and notification  a) specifying a new co	of m orresp	aintenance fees wi condence address;	ll be i and/or	mailed to the current (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
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1300 19TH STR SUITE 600	EET, N.W.	<sup>/2009</sup> OO & GOODMAN			Certi	ificate	of Mailing or Transn	
WASHINGTON	I,, DC 20036							(Depositor's name)
								(Signature)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/565,370 ITLE OF INVENTION	02/28/2006 : ACOUSTIC DEVICE		Graham Bank			1	085874-0453	2207
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	06/16/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
ENSEY,	BRIAN	2614	381-152000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a sregistered attorney	a single firm (having as a member a ley or agent) and the names of up to lent attorneys or agents. If no name is				
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Ta substitute for filing (B) RESIDENCE: (C	he pa g an a	tent. If an assigned ssignment. and STATE OR CO	OUNT	RY)	cument has been filed for up entity
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10/565,370	02/28/2006	Graham Bank	085874-0453	2207	
1609 75	590 03/16/2009	EXAMINER			
ROYLANCE, A	BRAMS, BERDO &	ENSEY, BRIAN			
1300 19TH STREI	ET, N.W.	ART UNIT	PAPER NUMBER		
SUITE 600 WASHINGTON,,	DC 20036		2614 DATE MAILED: 03/16/200	9	

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 402 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 402 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
Notice of Allowability	10/565,370 <b>Examiner</b>	BANK ET AL.  Art Unit	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LXammer	Artonii	
	BRIAN ENSEY	2614	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr (IGHTS. This application is	in this application. If not included nunication will be mailed in due course	
1. X This communication is responsive to amendment filed 1/5.	<u>/09</u> .		
2. The allowed claim(s) is/are 1, 3-16 renumbered 1-15.			
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority u</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> </ul>	, , ,	) or (f).	
2. Certified copies of the priority documents have	e been received in Applicat	ion No	
3. Copies of the certified copies of the priority do	cuments have been receiv	ed in this national stage application fro	m the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirem	ents
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			E OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew ( PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	<u>.</u>		
<ul><li>(b) ☐ including changes required by the attached Examiner Paper No./Mail Date</li></ul>	's Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in			of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT</li> </ol>			е
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 □ Notice of	nformal Patont Application	
<ol> <li>Notice of References Cited (F10-692)</li> <li>Dotice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>		nformal Patent Application Summary (PTO-413),	
<ol> <li>Information Disclosure Statements (PTO/SB/08),</li> </ol>	Paper No	s./Mail Date s Amendment/Comment	
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit			
of Biological Material		s Statement of Reasons for Allowance	;
/Brian Ensey/	March 10, 200		
Primary Examiner, Art Unit 2614	Walter 10, 200		
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### **DETAILED ACTION**

The following is an examiner's statement of reasons for allowance: The present invention is directed to a bending wave loudspeaker. Independent claim 1 identifies the uniquely distinct feature of a resonant panel comprising a plurality of vibration exciters coupled to excite the panel into resonance along the minor axis and restraining the resonance along the major axis to output a wide directivity along the minor axis and a narrow directivity along the major axis of the panel in combination with all the disclosed limitations of claim 1. The closest prior art, Bank (WO 00/33612) teaches a bending wave panel comprising multiple transducers and produces an output which is inhibited in the smaller width direction but fails to teach the transducer itself to assist in providing the desired directivity (See applicant's remarks submitted 1/5/09, page 6, last paragraph to page 7, second paragraph). The prior art fails to anticipate or render the independent claims obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRIAN ENSEY whose telephone number is (571)272-7496. The examiner can normally be reached on Monday - Friday 6:00 AM - 2:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on 571-272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2614

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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Alexandria, Va. 22313-1450

Or faxed to:

(571) 273-8300, for formal communications intended for entry and for informal or draft communications, please label "PROPOSED" or "DRAFT".

Hand-delivered responses should be brought to:

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401 Dulany Street

Arlington, VA 22314

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Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brian Ensey/

Primary Examiner, Art Unit 2614

March 10, 2009